

What is claimed is:

1. A hermetic motor-driven compressor comprising:

a compressing element;

a motor element for driving said compressing element,
said motor element having at least one linear section formed along an
outer circumferential surface thereof and at least one through hole
disposed in the vicinity of the outer circumference;

a substantially cylindrical hermetic container in which
said compressing element and said motor element are axially arranged
and housed;

a first gas passage that is formed by a space between said
linear section along the circumferential surface of said motor element
and an inside wall surface of said hermetic container and allows
passage of compressed gas discharged from said compressing element
within said hermetic container; and

a second gas passage formed in parallel with said first gas
passage that allows passage of compressed gas, said second passage
comprising the through hole in said motor element;

wherein the through hole in said motor element
constituting said second gas passage is disposed outside of a smallest
circle that is inscribed in the notch formed along said motor element
and is concentric with said motor element.

2. The hermetic motor-driven compressor as set forth in
Claim 1, wherein the through hole constituting said second gas passage
is shaped like a bow, an outer periphery of the bow shape is like an arch
that has a curvature larger than a curvature of the outer circumference

of said motor element, and an inner periphery of the bow shape is like one of a line and an arc that has a radius larger than a radius of the inscribed circle.

1. The motor element is a bow shape having an inner periphery like one of a line and an arc that has a radius larger than a radius of the inscribed circle.